

7. Said input valve [1] penetrates said reaction chamber [2].
8. Said input valve [1] transfers conductive water into said reaction chamber [2].
9. The Streamlined Electrolyzer contains the conductive element [7].
10. Said conductive element [7] penetrates said reaction chamber [2].
11. Said conductive element [7] has an applied alternating current.
12. Said conductive element [7] transfers its applied alternating current into the conductive water within said reaction chamber [2] inducing an electrolytic reaction.
13. Hydrogen and oxygen gasses are produced in said reaction chamber [2] due to the induced electrolytic reaction; as gasses accumulate in said reaction chamber [2] there will be an associated rise in pressure.
14. The Streamlined Electrolyzer contains the liquid/gas filter [3], which is comprised of microporous hollow tubes with the following attributes: hydrogen and oxygen gasses are capable of penetrating the microporous hollow tubes; conductive water is not capable of penetrating the microporous hollow tubes; the microporous hollow tubes are sized to 15 pico meters in diameter to establish these previous attributes.
15. Said liquid/gas filter [3] is connected to said reaction chamber [2].
16. Hydrogen and oxygen gasses within said reaction chamber [2] will be forced to penetrate said liquid/gas filter [3] as a result of the rise in pressure.
17. The Streamlined Electrolyzer contains the product chamber [4].
18. Said product chamber [4] is connected to the opposing side of said liquid/gas filter [3] in consideration of the connection in claim 15; hydrogen and oxygen gasses that penetrate said liquid/gas filter [3] will enter said product chamber [4].
19. The absorbent material [6] occupies space within said product chamber [4] extending into the exterior environment, transferring water to an unobtrusive location.
20. Said output valve [5] penetrates said product chamber [4].
21. Said output valve [5] transfers hydrogen and oxygen gasses in the form of a hydrogen and oxygen gas mixture out of said product chamber [4] into the exterior environment.